



# Kidde Fenwal

Nuclear Regulatory Commission  
Mail Stop T-8F-5  
Washington D.C. 20555-001

Attention Seung Lee

RE: Device Registration NR-0668-D-101-E Amendment Request

In response to your e-mail dated 4-18-2002 this letter will address those questions in that letter.

Question # 1. You will find enclosed with this letter a copy of our ISO 9001 Certificate issued to us on August 20, 1999.

Question # 2. Kidde-Fenwal does not purchase sealed sources from Amersham. We have named Amersham in our licenses, certificates and other documents as a alternative to NRD. We would only purchase sealed sources from Amersham if NRD was unable to supply us. We have confirmed that the model numbers are still valid from both suppliers. NRD supplies us with model NRD A-001, and Amersham (now known as AEA Technologies) still supplies Nohmi with model AMMD -1001H. This is a sealed source mounted in a holder.

Question # 3. Kidde-Fenwal purchases these devices already assembled in there holders (sealed sources). The only assembly done here is mounting of the holder into the smoke chamber.

Question # 4. The letter dated November 27, 1991 describes in summary the quality guidelines for these detector assemblies. The procedures that are described in the letter are Kidde-Fenwal's procedures Nohmi Bosai Ltd also employs these procedures in their manufacturing process. We manufacture model CPD7052, and Nohmi manufactures model CPD7051. Each lot received from Nohmi is accompanied by quality conformance documentation, and Kidde-Fenwal performs their own quality conformance test procedures prior to distribution of these detectors in the U.S.

Question # 5. This question is answered in question # 4.

Question # 6. Kidde-Fenwal has been using LTPD of 5% and C=0 for all of the smoke detectors that we manufacture and distribute. One reject would fail the entire lot. Please note that we have been using the table in 10 CFR 32.110 (b)(6) but as stated in the original amendment request, one reject will fail the entire lot no matter what the sample size. The table in 10 CFR allows 1 failure on a sample size of 2,001 to 100,000 pieces. The sampling sizes listed in this table are identical to the table found in NRC's regulatory guide 6.9, page C-6. Kidde-Fenwal will be referencing and following the guidelines in Regulatory Guide 6.9 as well as NUREG 1556 vol.3.

Question # 7. Quality records as they pertain to radioactive materials and radiation safety at Kidde-Fenwal are kept for many years. Records are kept in the office of the Radiation Safety Officer, and date back to the early 80's. Section 4.16 of the Quality manual will be revised.

Sincerely,  
William E. Sawyer R.S.O.

Enclosures: Kidde-Fenwal's ISO 9001 Certificate  
Blue Print for Model NRD A-001

B-45

UNDERWRITERS LABORATORIES INC.  
CERTIFICATE OF REGISTRATION

# KIDDE-FENWAL, INC.

400 Main Street  
Ashland, MA 01721

Underwriters Laboratories Inc.® (UL) issues this certificate to the Firm named above, after assessing the Firm's quality system and finding it in compliance with

## ISO 9001:1994

EN ISO 9001:1994; BS EN ISO 9001:1994; ANSI/ASQC Q9001:1994

for the following scope of registration

**3829 (US) : Measuring and Controlling Devices, Not Elsewhere Classified**

The design, production and distribution of fire detection and fire alarm systems and components, gas ignition systems, process control equipment, controlling devices, and fire prevention equipment including the design and manufacture of gaseous fixed fire fighting components.

This quality system registration is included in UL's Directory of Registered Firms and applies to the provision of goods and/or services as specified in the scope of registration from the address(es) shown above. By issuance of this certificate the firm represents that it will maintain its registration in accordance with the applicable requirements. This certificate is not transferable and remains the property of Underwriters Laboratories Inc.®

File Number: A8303

Volume: 1

Issue Date: August 20, 1999

Revision Date: August 1, 2001

Renewal Date: August 20, 2003

S. Joe Bhatia  
Executive Vice President and  
Chief Operating Officer - International



Accredited by  
Raad voor  
Accreditatie



Loss Prevention Certification Board



CERTIFICATE OF QUALITY SYSTEM REGISTRATION

This is to certify

NOHMI BOSAI LIMITED.  
5058 Menuuma, Menuuma-Machi, Osata-Gun,  
Saitama Prefecture, 360-02, Japan.

has complied with the requirements identified in

ISO 9001 : 1994

and is authorised to use the LPCB mark on stationery and  
publications related to the following products and/or services

Design and manufacture of point type smoke detectors.

Certificate No. 073 Issue 6

Issued 30 November 2000

Valid Until 8 January 2004

Signed on behalf of the LPCB

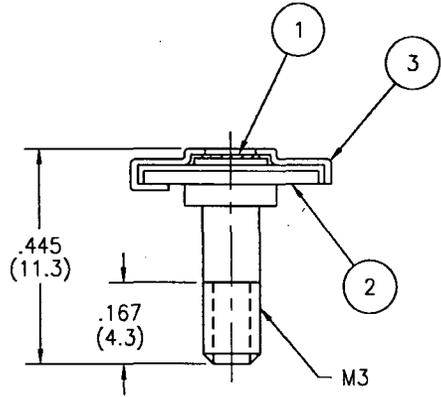
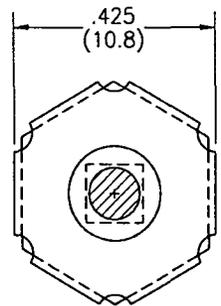


C JUDGE

LPCB is part of BRE Certification Ltd, Garston, Watford WD25 9XX. Tel 01923 664100 Fax 01923 664603 [www.brecertification.co.uk](http://www.brecertification.co.uk)  
This certificate remains the property of BRE Certification Ltd and is issued subject to terms and conditions  
and is maintained and held in force through regular surveillance activities.  
To check the authenticity of this certificate, please visit our website or contact us.

2880

REVISIONS			
REV	DESCRIPTION	DATE	APP'D
XA	P.E. CONTROL	2/7/95	
AA	ISSUED (ECO 25557)	11/15/95	
AB	ECO 26814 [1] REV & ADDED NOTES [2] ADDED PARTS LIST [3] ADDED VENDOR (NRD) [4] DWG		
	WAS A-SIZE	3/14/97	
AC	ECO 27598 [5] REVISED NOTE #3	5-14-98	



NOTES:

- [1] 1. WHEN PURCHASED FROM NRD INC., SOURCE PLATE (ITEM 2) AND SOURCE COVER (ITEM 3) SHALL BE PROCURED BY KIDDE-FENWAL FROM NOHMI-BOSAI LTD. AND CONSIGNED TO NRD INC. FOR MANUFACTURE OF COMPLETE ASSEMBLY.
- 2. KIDDE-FENWAL TO BE NOTIFIED BY VENDOR, IN ADVANCE, OF ALL CHANGES TO PART.
- 3. SUPPLIER OF THIS SOURCE ASSEMBLY MUST FURNISH WITH THE PARTS, A CERTIFICATE OF PERFORMANCE FOR A WIPE TEST FOR RADIOACTIVITY ON THE FOIL/BUTTON HOLDER [5] FOR EACH SHIPMENT PER POLICY RS-1 SECTION 19. LOTS RECEIVED WITHOUT THIS DOCUMENT ARE SUBJECT TO RETURN. LOTS WITHOUT THIS "CERTIFICATE" WILL NOT BE ACCEPTED.

PURCHASE FROM:

NOHMI BOSAI LTD. NRD, INC.  
P/N: CF40401097 GRAND ISLAND, NY

1	3	C06-117997-001	COVER - SOURCE		
1	2	A06-117996-001	PLATE - SOURCE		
1	1	A06-117995-001	SOURCE - ION		
QTY	ITEM	PART NO.	DESCRIPTION	REMARK	ALTERNATE
This information is the property of KIDDE-FENWAL, INC. it is submitted in confidence and is not to be disclosed or utilized without written permission.			DR. S. SMITH 2/7/95 CHK. S. SMITH 6/16/95 DES. PG 6-20-95 MFG. TC 6-20-95 ENG. KN 6-20-95 ISSUED DR 11-17-95	 KIDDE-FENWAL, INC. 400 MAIN STREET ASHLAND, MA 01721	
TOLERANCES ON DEC. ± REF. MM ± ANGLES ±			Unless otherwise specified dimensions are in inches and millimeters.	TITLE ASSEMBLY - SOURCE [4]	
FMF. 70-402001-100			PROJ. NO.	CODE IDENT NO. OKDP7	SIZE B
				DWG. NO. 06-117926-001	REV AC
				SCALE 4 : 1	WT
				SHEET 1 OF 1	

SPEC.	TITLE	REV

DIMENSIONS IN PARENTHESES ARE MILLIMETER EQUIVALENTS. DO NOT SCALE DRAWING